

CHEMICAL STOCKPILE DISPOSAL PROGRAM
TOOELE CHEMICAL AGENT DISPOSAL FACILITY
CONTRACT DACA87-89-C-0076

CONTINGENCY PROCEDURE AGENT DETECTED IN THE STACK

EG 040.A01

Revision 2

Prepared for:

PROGRAM MANAGER FOR CHEMICAL DEMILITARIZATION
and
U.S. ARMY, INDUSTRIAL OPERATIONS COMMAND

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EG&G TOCDF PROJECT CONTROL COPY	
CONTROL NO.	<u>3</u>
Assigned to:	<u>Ray Bills</u>
Organization:	<u>ENV-Batt</u>
If this stamp is not red you are using an UNCONTROLLED COPY	

Approved by:

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EG&G General Manager

Date: 4/20/98

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Date: 4/24/98

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Jim Tackett
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Date: 4/24/98

20/4. 23-98

SECTION I

INDICATORS OF AGENT IN THE STACK

The following indicators will initiate this Contingency Procedure:

Control Room Alarm: Any agent ACAM's alarm (Greater than LOQ alarm) on the advisor screen for any stack. See list below.

PAS 701 A, B, C

Common Furnace Stack

FIL 601

HVAC Filter Exhaust Stack

DUN 201

DUN PAS Exhaust Stack

DUN 202

DUN Emergency Outlet

CAL 951

CAL Stack

SECTION II

IMMEDIATE ACTIONS

For ACAM's stack readings at greater than a LOQ alarm.

- Activate agent alarm.
- Announce the incident on site PA and direct all personnel to mask and continue to work pending further instructions.
- Stop feed to all furnaces and munitions deliveries/processing.

NOTE

Consideration should be given as to whether any entry could have had an impact on a potential release. If so, actions should be reviewed and problems identified and resolved.

- Advise Controllers to notify all entries in toxic areas to take actions that will allow them to exit to airlocks at the earliest opportunity consistent with safety for the entrants, the environment, and the facility.
- Notify Monitoring to dispatch Monitoring Response Team.
 - Ensure DAAMS is pulled.
 - Ensure CAL notified priority DAAMS is on the way.
 - Notify EOC.
 - Inform EOC of possible need for RTAPS.
- Notify Shift Safety, Environmental, and PMCD Shift Engineer.
- Notify management via informal notifications in GDL-EP-001.
- Start event report in GDL-EP-001.
- Initiate event log on white board in Control Room.
- Ensure MDB HVAC systems are within established operational parameters. If not, notify management and take immediate action to bring HVAC under control.
- Monitor alarming ACAMS and those that would tend to confirm or deny migration for change in status. Identify any significant change to shift management.
- Investigate cause of potential release based on Monitoring and other input, i.e., maintenance work being performed, upset conditions, etc.

SECTION III

FOLLOW-UP ACTIONS TO BE TAKEN IF AGENT IS PROBABLE

1. If ACAM's investigation by Monitoring Response Team indicates that there is a probability of agent:
 - Update EOC.
 - Shelter in place and/or evacuate personnel downwind of the stack to an upwind position pending EOC protective action recommendation.
 - Start personnel accountability.
 - If off shift, request DCD evacuation buses on stand-by, dispatch driver to ensure readiness of TOCDF evacuation bus.
 - Update EG&G management and place MAT on stand-by.
 - Request EOC determine evacuation assembly point and route in the event evacuation becomes necessary.
 - Continue to complete event report and log as appropriate.
 - Continue investigation into cause of potential release.
2. If ACAMS is confirmed by DAAMS:
 - Update EOC.
 - Request RTAPS dispatched to monitor downwind.
 - Turn control of event to DCD CAICO when requested.
 - If off shift, dispatch PMCD Shift engineer to EOC until MAT arrives on scene.
 - Activate MAT.

NOTE

If EOC is not fully manned, and OSIC determines additional protective action, such as evacuate personnel in downwind area to upwind position, are necessary, OSIC should inform EOC and take the required action. If the CAICO is in place, protective actions should be recommended to him when the OSIC identifies the need.

- Take protective actions as advised by, or approved by, CAICO.
- Verify accountability.

SECTION III (continued)

FOLLOW-UP ACTIONS TO BE TAKEN IF AGENT IS PROBABLE

- Ensure personnel required to meet LCOs are identified as essential, and remain on site. (Entries may be required for investigative, mitigation, or maintenance purposes.)
- Maintain plant in stable condition.
- Complete event report and update as required. Continue to log all significant actions and communications.

NOTE

Once the MAT is in the EOC, updates to the EOC serve as updates to the MAT.

- Update MAT as events change, or new information becomes available.
 - Take action as required to contain the release.
 - Collect all pertinent data relating to the event.
 - Participate in review/recovery investigation as requested.
 - Return plant to operational condition.
 - Complete required incident reports.
3. If ACAMS not confirmed by DAAM's:
- Unmask site.
 - Update EOC.
 - Update MAT, and direct them to stand-down.
 - Resume normal operations as directed by Plant Shift Manager.
 - Investigate cause of incident.
 - Complete event report.
 - Notify the State.

SECTION IV

FOLLOW-UP ACTIONS TO BE TAKEN IF AGENT IS NOT PROBABLE

1. The Monitoring Response Team reports that there is NOT a probability of agent.
 - If cause is malfunction of ACAMS, repair the ACAMS, or bring a temporary replacement to ensure that there is no agent in the area.
 - Unmask site after two clear (<LOQ) cycles on functioning ACAMS.
 - Update EOC.
 - Update management using informal notifications in GDL-EP-001.
 - Resume normal operations outside the MDB as directed by Plant Manager.
 - Confirm false reading with DAAMS.
 - Terminate emergency conditions.
 - Resume normal operations within MDB.
 - Investigate cause of incident.
 - Complete event report.
 - Resume normal operations as directed by Plant Shift Manager.
 - Investigate cause of incident.
2. If ACAMS is not confirmed by DAAMS:
 - Update EOC.
 - Update EG&G management per informal notifications.
 - Complete event report.
 - Notify the state.
3. If DAAMS is confirmed go to page 3 and complete all actions in section 1 and 2.

SECTION V

AGENT INDICATED IN THE CAL STACK

1. Actions at the CAL:

- If there is an alarm on ACAMS 951, the CAL stack, personnel in the CAL should immediately mask, evacuate to the administrative area of the CAL, and institute the buddy system.
- CAL personnel should call 911, inform the control room of the alarm, and follow the direction of the OSIC for further response actions.

2. Immediate Control Room Actions:

- Make an immediate site announcement that there is a stack alarm at the CAL and all personnel are to stay clear of the area.
- Notify the Plant Shift Manager.
- Notify the EOC, and request that they notify CAMDS and ensure appropriate protective actions are initiated.
- Request RTAPS on stand-by.
- Request wind direction and speed, and update on any change in direction, or significant change in speed.
- Notify the PMCD Shift Engineer, Shift Safety, and Shift Environmental representatives.
- Notify Security of the alarm and ask them to activate light north of CAMDS, and institute access control.
- Notify Receiving and Stark Rd. of the alarm at the CAL and advise all personnel to stay clear of the CAL and CAMDS.
- Dispatch the monitoring response team to the CAL to verify the ACAMS and pull DAAMS.
- Notify senior management using the informal notification process in GDL-EP-001.
- Maintain contact with CAL personnel to ensure that there are no additional problems identified as a result of the incident.
- Initiate event report found in GDL-EP-001.
- Initiate log on white board in Control Room.

SECTION V (continued)

AGENT INDICATED IN THE CAL STACK

- If the opportunity allows, collect information from the lab personnel on the actions that were taking place at the time of, and just prior to, the stack alarm.
3. If agent is probable:
- If monitoring reports a probability that the ACAMS may reflect an actual agent reading, immediately notify the Plant Shift Manager.
 - Plant Shift Manager assume duties of OSIC, and declare emergency.
 - Place MAT on stand-by.
 - Notify the EOC that agent is possible, request RTAPS on stand-by, request update on wind direction and speed.
 - Notify CAL personnel and advise they prepare for emergency DAAMS analysis.
 - Dispatch driver to ensure vehicle readiness for evacuation. (Blue bus for days/ mini-van for nights). If vehicle is not available, request EOC place evacuation bus on stand-by.
 - Determine and communicate to driver tentative route of entry and exit to CAL to stay out of plume. Tell driver to re-verify if dispatched to CAL.
 - Re-Notify site, Stark, and receiving to stay clear of CAL.
 - Continue logging and information collection for event report.
4. If agent is confirmed by DAAMS:
- Notify Plant Shift Manager
 - Notify EOC, request activation of RTAPS, update on wind direction and speed.
 - Activate MAT per GDL-EP-001.
 - Turn control to DCD CAICO when requested.
 - Get number of non-essential personnel from CAL.
 - Recommend evacuation of non-essential CAL personnel to TOCDF Clinic utilizing TOCDF transportation.

SECTION V (continued)

AGENT INDICATED IN THE CAL STACK

- Activate evacuation if approved. Dispatch vehicle. Confirm route. Ensure continuous communication with bus driver until mission completed. Maintain constant communication with EOC for wind direction while evacuation is in progress.
 - Inform Clinic evacuees incoming for evaluation.
 - Send CAL personnel who clear Clinic to the PMB lunchroom.
 - Continue logging and information gathering.
 - Notify other management personnel via informational notifications in GDL-EP-001
 - Take action as directed by DCD until emergency is terminated.
 - Participate in post event investigations.
 - Take action as required to return CAL to operational status.
 - Complete all required reports.
5. If agent is not probable:
- Notify CAL personnel.
 - Notify EOC.
 - Notify Plant Shift Manager, PMCD Shift Engineer, Shift Safety, and Shift Environmental.
 - Update Management personnel per GDL-EP-001
 - If ACAMS clears, unmask CAL personnel following two clean ACAMS cycles.
6. If agent is not confirmed by DAAMS:
- Terminate emergency.
 - Unmask CAL and direct return to work.
 - Notify EOC
 - Notify management re: GDL-EP-001.
 - Complete investigation to determine cause of alarm.
 - Gather all event data.
 - Complete all required reports.